

## INTERNATIONAL SEARCH REPORT

 Internat. Application No  
 PCT/GB 03/05376

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 C12Q1/18 C12Q1/48 C12N5/10		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12Q		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, BIOSIS, PAJ, WPI Data, EMBASE		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HOMMA KEIICHI ET AL: "Phosphatidylinositol-4-phosphate 5-kinase localized on the plasma membrane is essential for yeast cell morphogenesis" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 273, no. 25, 19 June 1998 (1998-06-19), pages 15779-15786, XP002274409 ISSN: 0021-9258 table I  --- -/--	4,6,7
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report
23 March 2004		06/04/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer
		Gunster, M

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DESRIVIERES SYLVANE ET AL: "MSS4, a phosphatidylinositol-4-phosphate 5-kinase required for organization of the actin cytoskeleton in <i>Saccharomyces cerevisiae</i>" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 273, no. 25, 19 June 1998 (1998-06-19), pages 15787-15793, XP002274410 ISSN: 0021-9258 page 15787, column 2, last paragraph; table 1</p> <p>---</p>	4,6,7
X	<p>HAIRFIELD MICHELLE L ET AL: "Phosphatidylinositol-4-phosphate 5-kinase activity is stimulated during temperature-induced morphogenesis in <i>Candida albicans</i>" MICROBIOLOGY (READING), vol. 148, no. 6, June 2002 (2002-06), pages 1737-1746, XP002274411 ISSN: 1350-0872 the whole document</p> <p>---</p>	11
A	<p>CA 2 309 327 A (UNIV LAVAL) 6 December 2001 (2001-12-06) the whole document</p> <p>---</p>	1-8,11
A	<p>ENLOE BRIAN ET AL: "A single-transformation gene function test in diploid <i>Candida albicans</i>" JOURNAL OF BACTERIOLOGY, vol. 182, no. 20, October 2000 (2000-10), pages 5730-5736, XP002274412 ISSN: 0021-9193 cited in the application abstract</p> <p>-----</p>	1-8,11

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## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☒ Claims Nos.: 9, 10, 12-16  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
  
3. ☐ Claims Nos.:  
because they are dependant claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 9,10,12-16

Present claims 9,10,12-16 relate to a compound defined by reference to a desirable characteristic or property, namely being an inhibitor of MSS4 or being identifiable by the method of claims 1, 2, 3 or 8.

The claims cover all compounds having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for none of such compounds. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the compound by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has not been carried out for claims 9,10,12-16.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
CA 2309327 A	06-12-2001	CA 2309327 A1	06-12-2001